

NFPA DESIGNATION 704

HAZARD RATING	- HEALTH	0 -
4=Extreme		
3=High	- FIRE	0 -
2=Moderate		
1=Slight	- REACTIVITY	0 -
0=Insignificant		
	- SPECIFIC HAZARD	NONE -



MATERIAL SAFETY DATA SHEET

SECTION 1 NAME AND PRODUCT

MANUFACTURER'S NAME: SUNNEN PRODUCTS COMPANY
ADDRESS: 7910 Manchester Ave.
St. Louis, Mo. 63143
United States of America

CONTACT: Terry Heller
EMERGENCY PHONE NO: 314-781-2105
APPROVED BY: Terry Heller
TITLE: Manager, Materials R/D
DATE: August 15, 1987

TRADE NAME, COMMON NAME OR SPECIFICATION: Sunnen AN-994A or AN-980 ABRASIVE CONE

CHEMICAL FAMILY: No applicable information found. CLASSIFICATION: Not applicable D.O.T. SHIPPING CLASS: Not applicable

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMON NAME	CHEMICAL NAME OF COMPONENTS	CAS NO	OSHA PEL mg./cu. m.	ACGIH TLV-TWA mg./cu. m.	CARCINOGENIC
CRYOLITE	SODIUM FLUOALUMINATE	15096-52-3	2.5	2.5	N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1)-----Unknown
MELTING POINT-----Unknown
PERCENT VOLATILE BY WEIGHT-----Not volatile
VAPOR PRESSURE (mm Hg)-----Not volatile
VAPOR DENSITY (Air=1)-----Not volatile
EVAPORATION RATE-----Not volatile
SOLUBILITY IN WATER-----Not soluble
REACTIVITY IN WATER-----Not reactive
APPEARANCE AND ODOR-----Solid material. May give off odor in use.

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: NONE Refer to Section 7.

SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.
POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
INCOMPATIBILITY (MATERIALS TO AVOID): None known

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. ABBREVIATIONS USED IN THE FOLLOWING SECTION: NAIF=NO APPLICABLE INFORMATION FOUND, SKIN=SKIN ABSORPTION, EYE=EYE CONTACT, INHAL=INHALATION, INGEST=INGESTION

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SODIUM FLUOALUMINATE: ACUTE: SKIN: NAIF. EYE: NAIF. INHAL: NAIF. INGEST: Acute toxicity by ingestion is known to be very low. Literature reports the toxicity as LD50=200 mg/kg (Oral Rats). CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: Changes in skeleton noted on X-rays. INGEST: NAIF.

EMERGENCY FIRST AID

INHALATION: Remove to fresh air. If not breathing, begin mouth to mouth resuscitation. Seek medical attention.
EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water to remove particulates. Seek medical attention to check for possible irritation. **SKIN CONTACT:** Brush off excess dust. Wash hands with mild non-abrasive soap and water. **INGESTION:** Seek medical attention.

SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: No special procedures.
NORMAL USE: Normal precautions should be taken for nuisance dust and particulates generated during grinding which will be principally from the workpiece rather than the product.
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Normal cleanup procedures.
WASTE DISPOSAL METHODS: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Utilize approved respiratory protection for nuisance dust.
VENTILATION LOCAL: Normal
MECHANICAL: Utilize forced ventilation to keep airborne concentration of dust below limits.
SKIN PROTECTION: Protective gloves recommended when grinding.
EYE PROTECTION: Always wear NIOSH approved safety glasses when operating machinery. See OSHA 29 CFR 1910.133.
OTHER EQUIPMENT: Hearing protection if noise levels exceed NIOSH/OSHA TLV/PEL levels. See OSHA 29 CFR 1910.215

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Unknown
FLAMMABLE LIMITS LEL (lower) UEL (upper)
IN AIR % BY VOLUME Unknown Unknown
EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

NOTICE

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